

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	2	"6715010".pn.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 07:45
L8	1	10/658590	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L9	1	"20040120353"	DERWENT	OR	ON	2008/11/24 08:18
L10	1	"20030191874"	DERWENT	OR	ON	2008/11/24 08:18
L11	632	(double near data near rate) and (ATA SATA)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L12	57	(double near data near rate) and (ATA SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L13	177	(double near data near rate) same (ATA SATA)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L14	26	(double near data near rate) same (ATA SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L15	830	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L16	456	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and @Pd<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L17	44	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18

L18	44	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L19	41	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906" and (rate speed)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L20	2	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906" and (double) with (rate speed)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L21	8	10/095422 10/036234 10/171860 10/095422	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L22	10	("5550589" "5835498" "6148135" "6744815" "6905089" "6917366" "6914637" "6931071" "7030930" "7027714").pn.	USPAT	OR	ON	2008/11/24 08:18
L23	1	("5550589" "5835498" "6148135" "6744815" "6905089" "6917366" "6914637" "6931071" "7030930" "7027714").pn. and (double near5 (rate speed frequency))	USPAT	OR	ON	2008/11/24 08:18
L24	46	(double near (rate speed frequency)) and (ATA SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L25	25	((double near (rate speed frequency)) and (ATA SATA)) and (parallel and serial) and @ad<"20020906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18

L26	43	(parallel and serial) near (control) near (signal command) and @ad<"20020906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L27	18	(generat\$3 develop\$3 produc\$3 creat\$3) near ((serial) near (control) near (signal command)) and @ad<"20020906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L28	25	(generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel) near (control) near (signal command)) and @ad<"20020906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L29	11	(generat\$3 develop\$3 produc\$3 creat\$3) near ((serial) near (control) near (signal command)) and @pd<"20010906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L30	22	(generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel) near (control) near (signal command)) and @pd<"20010906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L31	32	L29 L30	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L32	3	(generat\$3 creat\$3 produc\$3 develop\$3) near5 ((serial and parallel) near logic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L33	795	(generat\$3 creat\$3 produc\$3 develop\$3) near ((serial and parallel))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L34	17	(generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command)) and @ad<"20020906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L35	17	((generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command)) and @ad<"20020906") not silicon.as.	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L36	19	((generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command information)) and @ad<"20020906") not silicon.as.	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18

L37	177	(multiplex\$3 near (serial and parallel))	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L38	55	(multiplex\$3 near ((serial and parallel) near (signal command information data logic)))	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L39	33	(multiplex\$3 near (serial and parallel) near (signal command information data logic))	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L40	510	(parallel near ATA) and (serial near ATA)	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L41	47	(parallel near ATA) and (serial near ATA) same (ATA near disk) and (((serial near ATA) SATA) near disk)	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L42	36	((parallel near ATA) and (serial near ATA)) same ((ATA near disk) and (((serial near ATA) SATA) near disk))	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L43	3	((parallel near ATA) and (serial near ATA)) same ((ATA near disk) and (((serial near ATA) SATA) near disk)) and @ad<"20020906"	US-PGPUB; USPAT; JPO	OR	ON	2008/11/24 08:18
L44	116	(ATA and SATA) near ("hard drive" "hdd" "disk drive" disk)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L45	2	(ATA and SATA) near ("hard drive" "hdd" "disk drive" disk) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L46	93	((("ATA" and "SATA") not (serial near ATA)) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L47	29	((("ATA" and "SATA") not (serial near ATA)) and @pd<"20010906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L48	842	((serial near ATA) SATA) near ("hard drive" "hdd" "disk drive" disk)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L49	20	((serial near ATA) SATA) near ("hard drive" "hdd" "disk drive" disk) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18

L50	3	((serial near ATA) SATA) and (parallel near ATA)) near ("hard drive" "hdd" "disk drive" disk) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L51	48	((serial near ATA) SATA) and (parallel near ATA)) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L52	158	((serial near ATA) SATA) and ((parallel near ATA) IDE) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L53	158	((serial near ATA) SATA) and ((parallel near ATA) (IDE "integrated drive electronic"))) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L54	565	((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L55	550	((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)) and @pd<"20010906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L56	12	((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk))) and @pd<"20010906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L57	74	((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)))and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L58	60	((serial and parallel) near ATA) ((serial and parallel) adj ("hdd" "hard disk" disk)))and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L59	2	((serial and parallel) near ATA) ((serial and parallel) adj ("hdd" "hard disk" disk))) and @pd<"20010906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L60	36	((serial and parallel) adj (storage))and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18

L61	3	("2003/0191872").URPN.	USPAT	OR	ON	2008/11/24 08:18
L62	10	(double near data near rate) with (ATA SATA)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L63	32	((twice two?times "2"? times double) near (frequency speed transmission rate)) and ((serial near ATA) SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L64	24	("disk drive" and (double near (data rate)) and encod\$3).bsum.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L65	7	("disk drive" and (double near (data rate)) and encod\$3).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L66	175	((double near (data rate)) and encod\$3).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L67	98	((double adj (data rate)) and encod\$3).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L68	129	((ATA and SATA)(double adj (data rate)) and encod \$3).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L69	14	((parallel and serial) and (double near (data rate)) and encod\$3).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L70	10	((parallel and serial) and (double adj (data rate)) and encod\$3).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L71	13	((ATA and SATA) and (serial and parallel)).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L72	667	(ATA) and (mux multiplex \$3) and (serial and parallel) and @ad<"20020907"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L73	15	((ATA) and (mux multiplex \$3) and (serial and parallel)).bsum. and @ad<"20020907"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L74	1	09/860027	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18

L75	522	(serial and parallel) adj (IDE ATA)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L76	45	(serial and parallel) adj (IDE ATA) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L77	2	(serial and parallel) adj (IDE ATA) and (mux multiplex\$3) and ((storage near device) (disk near drive)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L78	11	(serial and parallel) adj (IDE ATA) and (mux multiplex\$3 switch) and ((storage near device) (disk near drive)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L79	2	(serial and parallel) adj (IDE ATA) and (mux multiplex\$3) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L80	2	"20030191874"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L81	8	((frank near barth) (henry near drescher) (alexander near krebs)).in. and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L82	9	(US-20040120353-\$ or US-20030191872-\$ or US-20030074515-\$ or US-20030005231-\$ or US-20050251588-\$ or US-20030229748-\$).did. or (US-7308512-\$ or US-6931457-\$ or US-7047357-\$).did.	US-PGPUB; USPAT	OR	ON	2008/11/24 08:18
L83	9	L82 and (rate speed transfer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L84	9	L82 and (rate speed)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L85	6	L82 and (rate)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L86	1	L82 and (phase)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18

L87	2	L82 and (frequency)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L88	3	L82 and (clock)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L89	709	(710/11 710/14).ccls. and (clock rate speed frequenc \$3)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L90	492	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L91	24	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (IDE SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L92	30	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L93	1	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and (IDE ATA SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L94	3	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and ((encode embed enclud\$3) near (command data signal)) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L95	50	(US-20040120353-\$ or US- 20070174504-\$ or US- 20070260756-\$ or US- 20050186832-\$ or US- 20060069816-\$ or US- 20060069932-\$ or US- 20060101174-\$ or US- 20060129703-\$ or US- 20050024083-\$ or US- 20050289262-\$ or US- 20040223559-\$ or US- 20040044802-\$ or US- 20050086459-\$ or US- 20060019542-\$ or US- 20060041783-\$ or US-	US-PGPUB; USPAT	OR	ON	2008/11/24 08:18

		20060072909-\$ or US- 20060218319-\$ or US- 20060230218-\$ or US- 20060242312-\$ or US- 20060248241-\$ or US- 20060271739-\$ or US- 20070005880-\$ or US- 20060136666-\$ or US- 20060026315-\$ or US- 20040071251-\$ or US- 20040097122-\$).did. or (US-7230981-\$ or US- 7134908-\$ or US-7159055- \$ or US-7271999-\$ or US- 7293167-\$ or US-6781826- \$ or US-6791779-\$ or US- 6811427-\$ or US-6832929- \$ or US-6832931-\$ or US- 6884085-\$ or US-6908330- \$ or US-6965956-\$ or US- 6976869-\$ or US-7003623- \$ or US-7056135-\$ or US- 7076391-\$ or US-7171525- \$ or US-7238037-\$ or US- 7250751-\$ or US-7250784- \$ or US-7253652-\$ or US- 7263153-\$ or US-7308534- \$).did.				
L96	470	710/11.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
L97	323	710/11.ccls. and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/24 08:18
S1	1	10/658590	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:21
S2	1	"20040120353"	DERWENT	OR	ON	2007/12/11 12:24
S3	1	"20030191874"	DERWENT	OR	ON	2007/12/11 12:24
S15	452	(double near data near rate) and (ATA SATA)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:30
S16	56	(double near data near rate) and (ATA SATA) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 13:25
S17	138	(double near data near rate) same (ATA SATA)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:30

S18	25	(double near data near rate) same (ATA SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:30
S24	768	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:33
S25	456	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and @Pd<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:33
S26	36	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:33
S27	36	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:34
S28	35	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906" and (rate speed)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:34
S29	2	((ook near kim) (sungjoon near kim) (robert near norman) (chi near wai near ho) (frank near lee) (dongyun near lee) (gijung near ahn) (seung?ho near hwang)) and silicon.as. and pd<"20020906" and (double) with (rate speed)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:51

S30	7	10/095422 10/036234 10/171860 10/095422	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 12:49
S31	10	("5550589" "5835498" "6148135" "6744815" "6905089" "6917366" "6914637" "6931071" "7030930" "7027714").pn.	USPAT	OR	ON	2007/12/11 12:52
S32	1	("5550589" "5835498" "6148135" "6744815" "6905089" "6917366" "6914637" "6931071" "7030930" "7027714").pn. and (double near5 (rate speed frequency))	USPAT	OR	ON	2007/12/11 12:53
S36	46	(double near (rate speed frequency)) and (ATA SATA) and @ad< "20020906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 14:07
S37	25	((double near (rate speed frequency)) and (ATA SATA)) and (parallel and serial) and @ad< "20020906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 14:13
S38	43	(parallel and serial) near (control) near (signal command) and @ad< "20020906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 14:14
S40	18	(generat\$3 develop\$3 produc\$3 creat\$3) near ((serial) near (control) near (signal command)) and @ad< "20020906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 14:18
S41	25	(generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel) near (control) near (signal command)) and @ad< "20020906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 14:16
S43	11	(generat\$3 develop\$3 produc\$3 creat\$3) near ((serial) near (control) near (signal command)) and @pd< "20010906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 14:19
S44	22	(generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel) near (control) near (signal command)) and @pd< "20010906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 14:19
S45	32	S43 S44	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 14:33

S47	3	(generat\$3 creat\$3 produc\$3 develop\$3) near5 ((serial and parallel) near logic)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 14:56
S48	702	(generat\$3 creat\$3 produc\$3 develop\$3) near ((serial and parallel))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/11 15:16
S49	17	(generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command)) and @ad<"20020906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 15:18
S50	17	((generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command)) and @ad<"20020906") not silicon.as.	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 15:24
S51	19	((generat\$3 develop\$3 produc\$3 creat\$3) near ((parallel and serial) near (signal command information)) and @ad<"20020906") not silicon.as.	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 15:40
S52	164	(multiplex\$3 near (serial and parallel))	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 15:45
S53	50	(multiplex\$3 near ((serial and parallel) near (signal command information data logic)))	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 15:49
S54	27	(multiplex\$3 near (serial and parallel) near (signal command information data logic))	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 15:59
S56	383	(parallel near ATA) and (serial near ATA)	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 16:00
S57	33	(parallel near ATA) and (serial near ATA) same (ATA near disk) and (((serial near ATA) SATA) near disk)	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 16:01
S58	24	((parallel near ATA) and (serial near ATA)) same ((ATA near disk) and (((serial near ATA) SATA) near disk))	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 16:05

S59	3	((parallel near ATA) and (serial near ATA)) same ((ATA near disk) and (((serial near ATA) SATA) near disk)) and @ad< "20020906"	US-PGPUB; USPAT; JPO	OR	ON	2007/12/11 16:01
S60	61	(ATA and SATA) near ("hard drive" "hdd" "disk drive" disk)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 10:59
S61	2	(ATA and SATA) near ("hard drive" "hdd" "disk drive" disk) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 10:56
S62	91	((("ATA" and "SATA") not (serial near ATA)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 10:58
S63	29	((("ATA" and "SATA") not (serial near ATA)) and @pd< "20010906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 10:58
S64	549	((serial near ATA) SATA) near ("hard drive" "hdd" "disk drive" disk)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:00
S66	21	((serial near ATA) SATA) near ("hard drive" "hdd" "disk drive" disk) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:05
S67	3	((((serial near ATA) SATA) and (parallel near ATA)) near ("hard drive" "hdd" "disk drive" disk) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:07
S68	48	((((serial near ATA) SATA) and (parallel near ATA)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:08
S69	160	((((serial near ATA) SATA) and ((parallel near ATA) IDE)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:09
S70	160	((((serial near ATA) SATA) and ((parallel near ATA) (IDE "integrated drive electronic")))) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:12
S71	427	((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:14

S72	412	((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)) and @pd<"20010906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:13
S73	12	((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)) and @pd<"20010906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:15
S74	74	((serial and parallel) near ATA) ((serial and parallel) near ("hdd" "hard disk" disk)) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:14
S75	60	((serial and parallel) near ATA) ((serial and parallel) adj ("hdd" "hard disk" disk)) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:21
S76	2	((serial and parallel) near ATA) ((serial and parallel) adj ("hdd" "hard disk" disk)) and @pd<"20010906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:17
S77	37	((serial and parallel) adj (storage))and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 11:21
S78	3	("2003/0191872").URPN.	USPAT	OR	ON	2007/12/12 13:02
S80	7	(double near data near rate) with (ATA SATA)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 13:22
S81	32	((twice two?times "2"? times double) near (frequency speed transmission rate)) and ((serial near ATA) SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/12 13:26
S82	23	("disk drive" and (double near (data rate)) and encod\$3).bsum.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 11:45
S83	7	("disk drive" and (double near (data rate)) and encod\$3).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 11:46
S84	172	((double near (data rate)) and encod\$3).bsum. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 12:02

S85	96	((double adj (data rate)) and encod\$3).bsum. and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 12:02
S86	127	((ATA and SATA)(double adj (data rate)) and encod \$3).bsum. and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 12:02
S89	14	((parallel and serial) and (double near (data rate)) and encod\$3).bsum. and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 12:03
S90	10	((parallel and serial) and (double adj (data rate)) and encod\$3).bsum. and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 12:03
S92	13	((ATA and SATA) and (serial and parallel)).bsum. and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 12:11
S94	665	(ATA) and (mux multiplex \$3) and (serial and parallel) and @ad< "20020907"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 14:37
S95	15	((ATA) and (mux multiplex \$3) and (serial and parallel)).bsum. and @ad< "20020907"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/07 14:37
S96	1	09/860027	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/09 15:00
S97	428	(serial and parallel) adj (IDE ATA)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/09 16:28
S98	45	(serial and parallel) adj (IDE ATA) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/09 16:32
S99	2	(serial and parallel) adj (IDE ATA) and (mux multiplex\$3) and ((storage near device) (disk near drive)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/09 16:33
S100	11	(serial and parallel) adj (IDE ATA) and (mux multiplex\$3 switch) and ((storage near device) (disk near drive)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/09 16:33
S101	2	(serial and parallel) adj (IDE ATA) and (mux multiplex\$3) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/09 16:35

S102	2	"20030191874"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/09 16:57
S103	8	((frank near barth) (henry near drescher) (alexander near krebs)).in. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/09 17:01
S104	9	(US-20040120353-\$ or US-20030191872-\$ or US-20030074515-\$ or US-20030005231-\$ or US-20050251588-\$ or US-20030229748-\$).did. or (US-7308512-\$ or US-6931457-\$ or US-7047357-\$).did.	US-PGPUB; USPAT	OR	ON	2008/04/11 16:49
S105	9	S104 and (rate speed transfer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 16:50
S106	9	S104 and (rate speed)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 16:50
S107	6	S104 and (rate)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 16:50
S108	1	S104 and (phase)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 16:55
S109	2	S104 and (frequency)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 16:56
S110	3	S104 and (clock)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 17:54
S111	641	(710/11 710/14).ccls. and (clock rate speed frequenc \$3)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 18:23
S112	489	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 18:23
S113	24	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (IDE SATA) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 18:24
S114	30	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 18:27

S115	1	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and (IDE ATA SATA) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 18:28
S116	3	(710/11 710/14).ccls. and (clock rate speed frequenc \$3) same (mux multiplex \$3 switch\$3 convert\$3) and (threshold) and ((encode embed enclud\$3) near (command data signal)) and @ad< "20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 18:29
S117	50	(US-20040120353-\$ or US-20070174504-\$ or US-20070260756-\$ or US-20050186832-\$ or US-20060069816-\$ or US-20060069932-\$ or US-20060101174-\$ or US-20060129703-\$ or US-20050024083-\$ or US-20050289262-\$ or US-20040223559-\$ or US-20040044802-\$ or US-20050086459-\$ or US-20060019542-\$ or US-20060041783-\$ or US-20060072909-\$ or US-20060218319-\$ or US-20060230218-\$ or US-20060242312-\$ or US-20060248241-\$ or US-20060271739-\$ or US-20070005880-\$ or US-20060136666-\$ or US-20060026315-\$ or US-20040071251-\$ or US-20040097122-\$).did. or (US-7230981-\$ or US-7134908-\$ or US-7159055-\$ or US-7271999-\$ or US-7293167-\$ or US-6781826-\$ or US-6791779-\$ or US-6811427-\$ or US-6832929-\$ or US-6832931-\$ or US-6884085-\$ or US-6908330-\$ or US-6965956-\$ or US-6976869-\$ or US-7003623-\$ or US-7056135-\$ or US-7076391-\$ or US-7171525-\$ or US-7238037-\$ or US-	US-PGPUB; USPAT	OR	ON	2008/04/11 18:51

		7250751-\$ or US-7250784-\$ or US-7253652-\$ or US-7263153-\$ or US-7308534-\$).did.				
S118	426	710/11.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 19:05
S119	321	710/11.ccls. and @ad<"20020906"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/04/11 19:05

11/24/2008 8:39:38 AM

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